

National Antimicrobial Resistance Monitoring System Animal Isolates

Swine Slaughter* Isolates

Percent Resistance

Antimicrobial (Number of Isolates)	1997 n=113	1998 n=798	1999 n=876	2000 n=451	2001 n=418	2002 n=379	2003 n=211
Amikacin	0	0	0.1	0	0	0	0
Amoxicillin/Claivalanic Acid	0	0.4	1.0	1.8	2.6	3.7	3.8
Ampicillin	16.8	13.3	10.8	18.8	11.7	13.7	12.8
Apramycin	2.7	1.4	1.8	0.4	0.7	N/A	N/A
Cefoxitin	N/A	N/A	N/A	1.3	2.2	2.9	4.3
Ceftiofur	0.9	0.1	1.9	1.3	2.2	3.2	4.3
Ceftriaxone	0	0	0	0	0	0	0
Cephalothin	0.9	0.1	0.8	2.4	2.2	3.2	3.8
Chloramphenicol	11.5	8.8	8.0	12.4	7.7	10.0	8.5
Ciprofloxacin	0	0	0	0	0	0	0
Gentamicin	1.8	1.0	1.1	1.3	1.4	0.8	0.5
Imipenem	N/A	N/A	N/A	N/A	0	N/A	N/A
Kanamycin	12.4	7.3	6.7	9.3	6.9	4.2	5.7
Nalidixic Acid	0	0	0	0.2	0	0.3	0
Streptomycin	27.4	29.7	29.3	39.2	35.6	40.1	30.8
Sulfamethoxazole	33.6	29.3	30.7	35.7	34.9	34.6	25.1
Tetracycline	51.3	47.9	48.4	54.3	53.1	57.8	43.1
Ticarcillin**	16.8	13.3	N/A	N/A	N/A	N/A	N/A
Trimethoprim/Sulfamethoxazole	1.8	0.5	1.1	0.9	0	1.6	2.4

*Isolates obtained from slaughter (carcass swabs) and processing plants (ground product).

**In 1999 Florefenicol replaced ticarcillin. No results are listed for Florfenicol due to lack of interpretive criteria for this antimicrobial.